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## CLAIMS

What is Claimed is:

1. A system for establishing a multimedia connection with Quality of Service between two endpoints, wherein at least one of the endpoints is not supporting H.323, the system comprising:
  - 10 a first endpoint;
  - a first gateway operative to convert a communication from said first endpoint to an H.323 communication;
  - a second endpoint;
  - a second gateway operative to convert an H.323
  - 15 communication into a communication protocol deliverable to said second endpoint; and
  - an ATM backbone operative to send an H.323 communication from said first gateway to said second gateway.
2. The system of Claim 1, wherein at least one of said
- 20 first endpoint and said second endpoint support H.320 communications.
3. The system of Claim 1, wherein at least one of said first endpoint and said second endpoint support H.321 communications.
- 25 4. The system of Claim 1, where in at least one of said first endpoint and said second endpoint support SIP communications.
5. The system of Claim 1, where in at least one of said first endpoint and said second endpoint support a protocol
- 30 selected from a group consisting of H.320, H.321 and SIP communication protocols.

5                   6.     A gateway for facilitating video communication  
between two endpoints, wherein at least one of the endpoints is not  
supporting H.323, the gateway comprising:

                    a first interface to a first endpoint which is not  
supporting QoS;

10                   a second interface to an ATM backbone;

                    a second endpoint connected to said ATM  
backbone;

                    the gateway being operable to:

15                   receive a call from said first endpoint over  
said first interface; and

                    set up a QoS connection to said second  
endpoint connected to said ATM backbone, said QoS connection  
being performed in accordance with H.323 annex C communication  
protocol.

20                   7.     The gateway of Claim 6, wherein said first  
endpoint supports H.320 communications.

                    8.     The gateway of Claim 6, wherein said first  
endpoint supports H.321 communications.

25                   9.     The gateway of Claim 6, wherein said first  
endpoint supports SIP communications.

                    10.    The gateway of Claim 6, wherein said first  
endpoint supports a protocol selected from a group consisting of  
H.320, H.321, and SIP communication protocols.

5 11. A method for establishing a multimedia connection with Quality of Service via an ATM backbone between a first and second gateway, comprising the steps of:

10 sending a first Multimedia communication protocol from a first endpoint to a second endpoint to setup a multimedia communication;

if the first Multimedia communication protocol is a gateway call, sending an Initial communication protocol from the first gateway to the ATM backbone for network control functions;

15 exchanging network capabilities between the first gateway and the second gateway;

converting the Multimedia communication protocol into an H.323 annex C protocol communication at the first gateway;

20 sending the H.323 annex C protocol communication from the first gateway through the ATM backbone to the second gateway;

converting the H.323 annex C communication into a Multimedia communication protocol at the second gateway; and

25 delivering the Multimedia communication to the second endpoint; wherein at least either the first endpoint or the second endpoint does not support H.323.

12. A method for establishing a multimedia connection with Quality of Service via an ATM backbone between a first and second gateway, comprising the steps of:

30 sending a first ISDN protocol communication from a first endpoint to a second endpoint to setup a multimedia communication;

5 if the first ISDN protocol communication is a  
gateway call, sending an Initial communication protocol from the first  
gateway to the ATM backbone for network control functions;  
exchanging network capabilities between the first  
gateway and the second gateway;  
10 converting an ISDN protocol communication into  
an H.323 annex C protocol communication at the first gateway;  
sending the H.323 annex C protocol  
communication from the first gateway through the ATM backbone to  
the second gateway;  
15 converting the H.323 annex C communication into  
an ISDN protocol communication at the second gateway; and  
delivering the ISDN protocol communication to  
the second endpoint.

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